

Determination of Spectral Sensitivity of Retinal
Receptors from Experiments With Dichromats, by
N. V. Lobanova, G. N. Rautian, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1193-1196.

CB
JPRS 17054
AIP

Sci
Nov 63

An Investigation of Different Structural Forms of
Myosin by the EPR Method, by L. L. Razumova, Kung
Tsu-Hsun, 1 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1197-1200.

CB
JPRS 17576
AIP

Sci
Nov 63

Effect of Gonadotrophin on the State of the DNA of
the Thymus of Sexually Immature Rats, by A. A. Beketova
A. M. Kuzin. 2pp

RUSSIAN, per, Dokl Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1201-1202.

CB

Sci
Nov 63

Effect of Ultraviolet Light and of Casein Substrate
on the Polarographic Wave and Catalytic Activity of
Subtilisin, by I. D. Ivanov, E. E. Rakhleeva 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1203-1205.

CB

Sci
Nov 63

Kinetic Characteristics of Suppression of Biosynthesis
of Protein in Cancer Cells by the Action of Alkyl-
phenols and Chloramphenicol, by G. V. Kukushkina,
L. V. Gorbacheva 3pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1206-1208.

Sci
Nov 63

CB

Enzymic Activity of Products of Autolysis of Trypsin
by V. V. Mosolov, M. D. Loginova, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1209-1212.

CB

Sci
Nov 63

Glutamic Decarboxylase Activity and γ -Aminobutyric
Acid Content of Rat Brain in Various Functional States
Resulting From Raised Oxygen Tension, by G. V.
Shcherbakova 2pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section Vol CXLVI
No 5, 1962, pp 1213-1215.

CB

Sci
Kov 68

The Type of Embryo Sac in *Praccitrullus Fistulosus*
(Stocks) Pang, by V. A. Gulyaev 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 5, 1962, pp 1216-1219.

CB

Sci
Nov 63

The Relation of RNA to the Proteins of Plant
Structures, by R. R. Akhmetov, V. G. Konarev, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol XLVI, No 5, 1962, pp 1220-1222.

CB

Sci
Nov 53

Trace Element Content of Various Plant Organs, By
G. V. Porutskii, V. P. Golovchenko 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 5, 1962, pp 1223-1226.

CB

Sci
Nov 63

Effect of the Excretion of Bacterial Pathogens of
Plant Tumors on the Root Formation of Grape Cuttings,
by M. Kh. Chailakhyan, R. M. Galach'yan, 4pp

RUSSIAN, per, Dokl Ak Nauk SSSR, Biol Section,
Vol XLVI, No 5, 1962, pp 1227-1230.

CB

Sci
Nov 63

Vivipary in *Laciniaria Strauchi* (O. Btg.) (Gastropoda
Clausiliidae) and Basic Morphology of this Mollusk, by
G.I. Lezhava.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section
Vol CXI VI, No 5, 1962, pp 1231-1232.

CB

SCI
Nov 63

Prodigiosan, a Biologically Active Polysaccharide
From Bacterium Prodigium, by G. E. Vaishera,
T. I. Afanas'eva, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 5, 1233-1236. 1962

CB

Sci

Nov 63

The Relationship Between Serotonin and the Central
Adrenergic and Cholinergic Systems in the Mechanism
of Activation of Electroencephalograms, by
R. Yu. Il'yuchenok, L. A. Nazarov4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 5, 1962, pp 1237-1240.

CE

Sci
Nov 63

Effects of a Transverse Magnetic Field on a
Periodical Discharge, by L. A. Artsimovich,
K. B. Martashov, 6 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Vol XLVI(146),
No 6, 1962, 9207674.

AEC-MATI-Tr-2

Sci - PHYS Phys

Jun 63

231,911

The Fourier Method for Differential Equations
Containing a Second Derivative With Respect to
Time, by N. I. Bris, I. N. Valeskevic, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1247-1250.

Amer Math Soc

Sci

Jul 63

A Problem π for the Entire Space for a Certain
Class of Partial Differential Equations, by
V. V. Grusin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, vol CXLVI, No 6,
1962, pp 1251-1254.

Amer Math Soc

Sci

Jul 63

Integral Representations of Linear Operators in
Orlicz Spaces, by Nicolae Dinculeanu, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1255-1258.

Amer Math Soc

Sci

Jul 63

A Generalization of a Theorem Stated by
V. A. Ambarcumjan, by N. V. Kuznecov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1259-1262.

Amer Math Soc

Sci

Jul 63

An Iterationless Method of Nets for Solving
Boundary Value Problems in the Case of Partial
Differential Equations With Periodic Conditions
at the Boundary, by S. V. Nemcinov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, VolCXLVI, No 6,
1962, pp 1263-1266.

Amer Math Soc

Sci

Jul 63

On the Spectral Theory of Non-Selfadjoint Differential
Operators, by B. S. Pavlov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1267-1270.

Amer Math Soc

Sci

Jul 63

On Integral Operators in L_p Spaces, by
E. I. Pustyl'nik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1271-1274.

Amer Math Soc

Sci

Jul 63

Elliptic Equations With Discontinuous Coefficients,
by Ja. A. Roitberg, Z. G. Seftel, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1275-1278.

Amer Math Soc

Sci

Jul 63

Classes and Complexions of Subgroups of Finite Groups, by V. I. Sergienko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6, 1962, pp 1279-1281.

Amer Math Soc

Sci

Jul 63

Solvability of Boundary Value Problems for a
Class of Quasilinear Elliptic Equations With
Strong Nonlinearities, by T. B. Solomjak,
4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1282-1285.

Amer Math Soc

Sci

Jul 63

Limit Behavior of the Convolution of Measures on a
Complex Unimodular Group, by V. N. Tutubalin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1286-2189.

Amer Math Soc

Sci

Jul 63

Structure of Solutions and Regularity of Lineary
Systems of Differential Equations With Quasiperiodic
Coefficients, by V. H. Harasahal, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, vol CXLVI, No 6,
1962, pp 1290-1293.

Amer Math Soc

Sci

Jul 63

**Eigenfunction Expansion of Ordinary Linear
Differential Operators in a Finite Interval,
by A. P. Khramov, 5 pp.**

**RUSSIAN, per, Dok Ak Nauk SSSR, Vol XLVI, No 6,
1962, pp 1294-1297.**

Amer Math Soc

Sci

Jul 63

237,490

Complexions of Nonspecial Subgroups of Finite
Groups, by S. A. Cunikhin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 2198-1300.

Amer Math Soc

Sci

Jul 63

Semigroups of Continuous Transformations and
Homeomorphisms of a Simple Arc, by L. B. Sheperman.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1301-1304.

Amer Math Soc

Sci

Jul 63

Artsimovich, L. A. and Kartashev, K. R.
EFFECTS OF A TRANSVERSE MAGNETIC FIELD
ON A TOROIDAL DISCHARGE tr. by Carl Demrick.
[1963] 8p 2rds MATT Trans-2.
Order from OTS, SLA, or ETC \$1.10 TT-63-23469

Trans. of Akademiya Nauk SSSR. Doklady, 1962,
v. 146, no. 6 [p. 1305-1308].
##Another trans. is available from AIP \$4.00 in
Soviet Physics-Doklady, v. 7, no. 10.

DESCRIPTORS: *Plasma physics, Magnetic fields,
Electric discharges, Temperature.

(Physics--Electronics. TT, v. 11, no. 4)

TT-63-23469

- I. Artsimovich, L. A.
- II. Kartashev, K. R.
- III. MATT Trans-2
- IV. Plasma Physics Lab.,
Princeton Univ., N. J.

Office of Technical Services

pp 1305-1317
pp 1322-1326

AIP

Bogdanova, O. K., Balandin, A. A., and
Belomestnykh, I. P.
EFFECT OF THE STRUCTURE OF ALKYLAROMATIC
HYDROCARBONS ON THEIR DEHYDROGENATION
KINETICS. [1963] 6p.
Order from ATS \$6.50

ATS-22Q68R

Trans. of Akademiya Nauk SSSR. (Doklady) 1962,
v. 146, no. 6, p. 11327-11330.

DESCRIPTORS: *Alkyl radicals, *Hydrocarbons, *Re-
action kinetics, *Dehydrogenation.

(Chemistry--Physical, TT, v. 10, no. 1)

63-17149

- I. Bogdanova, O. K.
- II. Balandin, A. A.
- III. Belomestnykh, I. P.
- IV. ATS-22Q68R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Supramolecular Structures in Films of Isotactic
Polypropylene, by V. A. Kargin, G. P. Andrianova.

RUSSIAN, per. Dok Ak Nauk SSSR, Vol XLVI, No 6,
1962, pp 1337-1339.

MLL Ref: 5826.4 1963 (10104)
(1000)

Sci -
Jul 63

238,376

Studies of Films of Polyethylene Terephthalate
(Lavaun) With Grafted Polystyrene, by V. V. Korshak.

RUSSIAN, Doc. Ak. Nauk SSSR, Vol. CXLVI, No 6,
1962, pp 1347-1349.

REL Ref: 5828.1 1963 (10103)
(Icon)

Sci -
Jul 63

234,379

Applicability of the Two Term Friction Law to the
Frictional Properties of Polymers, by B. V.
Deryagin, Yu. P. Toporov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physical Chemistry
Section), Vol CXLVI, No 6, 1962, pp 1356-1359.

CB

Sci

Aug 63

Radiation Chemical Synthesis of New Mineral-Organic
Ion Exchange Sorbents, by E. V. Egorov,
P. D. Novikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physical Chemistry
Section), Vol CXLVI, No 6, 1962, pp 1360-1362.

CB

Sci

Aug 63

Temperature Dependence of Surface Tension of Metals,
by S. N. Zadumkin, P. P. Pugachevich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physical Chemistry
Section), Vol CXLVI, No 6, 1962, pp 1363-1366.

CB

Sci

Aug 63

The Adsorption of Carbon Monoxide on Copper and the Structure of Its Surface Compounds From Infrared Spectra, by N. N. Kavtaradze, N. P. Sokolova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Physical Chemistry Section), Vol CXLVI, No 6, 1962, pp 1367-1369.

CB

Sci

Aug 63

Elastic Properties of Alloys of the Titanium-Aluminum System, by S. G. Fedotov, T. T. Nartova, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk, SSSR, Vol CXLVI, No 6, 1962, pp 1377-1379.

CB

SCI

Oct 63

The Influence of Heterozygosis of the Maternal Parent
on the Vitality of the Offspring, by D. K. Belyaev,
V. I. Eysikov 3pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1414-1417.

CB

Sci
Nov 63

35% Mutation in the Sex Chromosome Under the Influence
of Nitrosobethylurea, by I.A. Rapoport, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1418-1421.

CB

Sci
Nov 63

Distribution of Heterotrophic Bacteria in the Waters
of the Pacific Ocean, by A. E. Kriss, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section.
Vol CXLVI, No 6, 1962, pp 1422-1425.

CB

Sci
Nov 63

Muscular Activity, by M. V. Vol'kenshtein, 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 6, 1952, pp 1426-1429.

CB
AIP

Sci
Nov 68

Effect of Ionizing Radiation on Gonadotropic Reaction
of Ovaries in Mice, by L. A. Kashchenko, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol. Section, Vol CXLVI
No 6, 1962, pp 1430-1433.

CB
AIF

Sci
Nov 63

Enzymatic Activity of Ribonuclease, Adsorbed on Sulfo-
Resin SBS-1, by N. A. Mkrtumova, G. A. Deborin 2pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 6, 1962, pp 1434-1436

CB

Sci
Nov 63

Explosive and Portional Flowering of Grasses, by A. N.
Ponomarev, T. P. Turbacheva 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLVI
No 6, 1962, pp 1437-1440.

CB

Sci
Nov 63

Diurnal Periodicity in Translocation of Assimilates,
by A. A. Anisimov, E. K. Fuzina, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1441-1444.

CB

Sci
Nov 63

The Interaction of Ferulic Acid With Gibberellin
and Indol Acetic Acid in Plant Growth, by
M. S. Bardinakaya, L. D. Prusakova, 3pp

RUSSIAN, per, Dok Ak nauk SSSR, Biol Section
Vol CXLVI, No 6, 1962, pp 1445-1448.

CB

Sci
Nov 63

Effect of Soil Water Deficiency on Formation of
Female Gametophyte in Some Cereals With Reference to
their Development, by F. D. Skazkin, K.A. Lukomskaya
2pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1449-1451.

CB

Sci
Nov 63

The Physiological Mechanisms of Alternation of the
Electrical and Mechanical Manifestations of Cardiac
Activity, by E. B. Bab'skii, V. S. Sal'manovich, 4pp

RUSSIAN, per, Dok Ak NaukSSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1452-1455.

CB

Sci
Nov 63

Dynamics of Conditioned Imitating Reflexes in Certain
Sea Fishes (Cod, Coalfish, Haddock), by
V. V. Gerasimov, 14pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1456-1459.

CB

Sci
Nov 63

An Unknown Disease of Tailless Amphibians, Encountered
in Bulgaria, by G. Paspalev, V.K. Dokov, 2pp

RUSSIAN, per, Dokl Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1460-1461.

CB

Sci
Nov 63

The Use of Radioactive Carbon for Studying the Rate
of Exchange of ~~Fleas~~ Between Large and Southern
Gerbils, by I. S. Soldatkin, N. S. Novokreshchenova,
2pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLVI, No 6, 1962, pp 1462-1463.

CB

Sci
Nov 63

Some Inequalities for Polynomials and Entire
Functions, by R. P. Boas, K. I. Rahman, 1 p.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CKLVII, No 1, 1962, pp 11-12.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci
Aug 63

Solution of Boundary Value Problems for Poisson's
Equation in a Rectangle, by E. A. Volkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 1, 1962, pp 13-16.

Amer Math Soc
Sov Math -- Dok
Vol III, No 6

Sci

Aug 63

Unitary Representations in Homogeneous Spaces With
Discrete Stationary Groups, by I. M. Gel'fand,
I. I. Pjateckii-Sapiro, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CKLVII, No 1, 1962, pp 17-20.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

Finite Ring Groups, by G. I. Kac, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 1, 1962, pp 21-24.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

The Fractional Step Method for Solving the Cauchy
Problem for an n-Dimensional Oscillation Equation,
by A. N. Konovalov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CKLVII, No 1, 1962, pp 25-27.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

The First Boundary Value Problem for Quasilinear
Second-Order Parabolic Equations of General Form, by
O. A. Ladyzenskaya, N. N. Ural'ceva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 1, 1962, pp 28-30.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

The Character of Certain Types of Complex Equilibrium
State in n-Dimensional Spaces, by R. M. Minc, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CXLVII, No 1, 1962, pp 31-33.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

Monotonic Processes of Bilateral Approximation in
a Partially Ordered Convergence Group, by S. N.
Slugin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 1, 1962, pp 34-37.

Amer Math Soc
Sov Math - Dok
Vol VII, No 6

Sci

Aug 63

The Behavior of Green's Function of a Multi-point
Linear Difference Boundary Value Problem, by
A. L. Teptin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CXLVII, No 1, 1962, pp 38-40.

Amer Math Soc
Sov Math - Dok
Vol VII, No 6

Sci

Aug 63

Evaluation Near the Boundary of Its Domain of a
Polyharmonic Function and Its Derivatives Defined
on a Circle, by A. S. Foht, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics
Section), Vol CXLVII, No 1, 1962, pp 41-44.

Amer Math Soc
Sov Math - Dok
Vol VII, No 6

Sci

Aug 63

Evaluation of an Unknown Distribution Density
From Observations, by N. N. Cencov, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CXLVII, No 1, 1962, pp 45-48.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

Conditions for Local Finiteness of Single-Layered
p-Groups, by S. N. Cernikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CXLVII, No 1, 1962, pp 49-52.

Amer Math Soc
Sov Math -- Dok
Vol III, No 6

Sci

Aug 63

Imbedding Theorems and Maximal Subgroups of
Finite Groups, by L. A. Semetkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Mathematics Section),
Vol CXLVII, No 1, 1962, pp 53-56.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

The Application of Asymptotic Methods in the Investigation of Gyroscopic Systems, by L. N. Slezkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 57-59.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

The Theory of Turbulence in Inhomogeneous Flows,
by E. M. Khazen, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 60-63.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

A Restricted Solution of the Accretion Equation,
by V. S. Safronov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 64-67.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

Diffusion Problem With a Moving Boundary, by
I. P. Vyrodov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 68-70.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

The Stability of Alfvén Waves, by A. A. Galeev,
V. N. Oraevskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 71-73.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

Radiation of a Charged Particle Passing Close to
a Metal Screen, by A. P. Kazantsev, G. I.
Surdutovich, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CKLVII, No 1, 1962, pp 74-77.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

Temperature Dependence of the Electrical Resistance
of Iodine at Pressures up to 200,000 kg/cm², by
N. N. Kuzin, A. A. Semerchan, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 78-79.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci
Aug 63

Gauge Invariance and the Axiomatic Approach in
Quantum Field Theory, by Yu. V. Novozhilov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 80-83.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

System of Field Equations for a Nonideal Fermi-
Dirac System With Two-Particle Bound States
Included Explicitly, by V. V. Tolmachev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXIVII, No 1, 1962, pp 84-87.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

Thermodynamic Green's Functions of an Isotropic
Ferromagnetic With Arbitrary Spin, by Jerzy
Czerwono, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 88-91.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

Shape of the Surface of a Liquid in Process of
Losing Its Weightiness, by V. V. Shuleykin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1,
1962, pp 92-95.

NASA TT P-8373

Sci
Apr 63
US GOV'T ONLY

+FTD - AT - 10-10

10/10/63

229,170

May 10 3577/APL 719

Crystalline Structure of Cadmium Bromide Dipyridinate,
by T. I. Malinovskiy, Yu. A. Simonov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Physics Section),
Vol CXLVII, No 1, 1962, pp 96-98.

Amer Inst of Phys
Sov Phys - Dok
Vol VII, No 11

Sci

Aug 63

Study of the d, d-Diphenyl- Δ -Pentaphenylcyclopentadienyl-
hydrazyl Free Radical, by A. E. Arbuzov, F. G. Valitova,
4 pp.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Chemistry Section,
Vol. CXLVII, No 1, 1962, pp 99-102.

CB

Sci -
Oct 63

3-Methyl-2-Butenyl Pyrophosphate, by L. A. Balulova,
L. N. Fokina, 3 pp.

RUSSIAN, per Dokl Ak Nauk SSSR, Chemistry Section,
Vol CXLVII, No 1, 1962, pp 103-105.

CB

Sci -
Oct 88
6

Products With an Uneven Number of Monomer Units Formed
by Thermal Polymerization of 1,3-Cyclohexadiene, by
B. V. Erofeev, S. F. Naumova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVIII, No 1, 1962, pp 106-107.

CB

Sci -
Oct 63

Preparation of Alkylmagnesium Halides From Primary
Alkyl Halides and Magnesium in a Hydrocarbon Medium,
by L. I. Zakharin, O. Yu. Okhlobystin, 3 pp.

RUSSIAN, per, Dokl. Akad. Nauk SSSR, Chemistry Section,
Vol. CXLVIII, No. 2, 1962, pp. 108-110.

CE

Sci -
Oct 63

The Reaction of N,N-Dialkylaminosulfonyl Chlorides With
Trialkyl Phosphites. A New Method for the Preparation of
Dialkyl S-Dialkylamidothiophosphates, by Jan Michalski,
Bozhena Pliska, 2 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Chemistry Section,
Vol XLVII, No 1, 1968, pp 111-112.

CB

Sci -
Oct 68

Decomposition of Cyclopentadienylmetal Compounds With
Bromine and Potassium Hypobromite, by A. N. Nesmeyanov,
N. S. Kochetkova, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR, Chemistry Section,
Vol XLVII, No 1, 1962, pp 113-116.

CE

Sci -
Oct 63

The Interaction of the Diethyl Ester of Benzenephosphonous
Acid with α -, β , and γ -Chloroalkylalkylalkoxysilanes,
by E. A. Chernyshev, E. F. Bugarenko, 2 pp.

RUSSEIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol. CXIVII, No 1, 1962, pp 117-118.

CB

Sci -
Oct 68

Catalytic Dehydrogenation of Dihydrofurans. The Synthesis
of 2,4-Dialkylfurans, by N. I. Shuikin, I. F. Bel'skii,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Chemistry Section,
Vol CXLVIII, No 1, 1962, pp 119-360.

CB

Sci -
Oct 63

MECHANISM OF THE EFFECT OF AROMATIC AMINES ON
THE FLUORESCENCE AND PHOTOCHEMICAL OXIDATION OF
ANTHRACENE COMPOUNDS, BY T. M. VEMBER, 7 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLVII, NO 1,
MOSCOW, 1962, PP 123-126.

JPRS 19077

SCI-CHEM
MAY 63

229,957

The Experimental Determination of the Activity
of Zinc Oxide in Synthetic Slags, by
B. V. Lebed', V. I. Smirnov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII,
No 1, 1962, pp 159-161.

CB

Sci

Oct 63

The Chemical Nature of the Liming of Clay Suspensions, by F. D. Ovcharenko, E. G. Agabal'yants, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962, pp 162-165.

CB

Sci

Oct 63

A Radiometric Study of the Formation of Films of
Calcium Compounds on a Solution-Air Surface
and Their Influence on Flotation Adhesion, by
M. A. Eigeles, M. L. Volova, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1,
1962, pp 166-169.

CB

Sci

Oct 63

The Relations Between Scheelite, Wolframite,
and Sulfides, by R.Yu. Orlov, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science:
Section, Vol CXLVII, No. 1, Nov, Dec 1962,
pp 207-209.

Amer Geol Inst

Sci
Aug 65

Ore Pebbles From Lower Carboniferous Conglomer-
ates of the Boorda Region, North TienShan, by S.
D. Turovskiy, V. A. Makarov, et al, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Sciences
Sections, Vol DXLVII, No 1, Nov, Dec 1963, pp
210-211.

Amer Geol Inst

Sci
Aug 65

Descending Connections of the Cortical Representation
Zones of the Splanchnic Nerve in the Cat, by V. Yu
Ermolaeva, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962
pp 212-214

CB

Sci
Nov 63

On the Possibility of Gynogenesis in the Fish
(Atheresthes Stomias Jord. Et Gilb.) From the Bering
Sea, by N. P. Novikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962
pp 215-216

CB

Sci
Nov 63

Mechanism of Radiation Injury in Mouse Ovaries, by
L. A. Kashchenko 4pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962
pp 217-220

PP

CB

Sci
Nov 63

The Mobility of Hydrated Membranes of Starch, by

B.B. Vartapetyan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962
pp 221-223

CB

Sci
Nov 63

Study of the Site and Origins of the Biosynthesis of
Trehalose in the Oak Moth Organism, by T. A. Egorova
A. N. Smolin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1,
1962, pp 224-226

CB

Sci
Nov 63

Investigation of the Structural Units of Lignin by the
Methods of Paper Chromatography and Ultraviolet
Spectrophotometry, by L. A. Kodina, 3 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962
pp 227-230

CB

Sci
Nov 63

The Influence of Vertical Zoning on Cambial Activity in
Arboreal Plants, by E.D. Lobzhanidze, 2pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVII, No 1, 1962
pp 231-232.

CB

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